

SHORT COMMUNICATION

A new combination in *Cissocarpus* Rozefelds
(Vitaceae), a fossil genus from QueenslandPeter D. Bostock¹ & H. Trevor Clifford²¹Queensland Herbarium, Environmental Protection Agency, Brisbane Botanic Gardens, Mt Coot-tha Road, Toowong, Queensland 4066, Australia. Email: peter.bostock@epa.qld.gov.au²Honorary Associate, Queensland Herbarium, Environmental Protection Agency, Brisbane Botanic Gardens, Mt Coot-tha Road, Toowong, Queensland 4066, Australia.

Recent molecular, phylogenetic analyses of *Cissus* L. (Rossetto *et al.* 2002, Rossetto *et al.* 2007; Soejima & Wen 2006), together with the transfer of *Cissus opaca* F.Muell. to *Clematicissus* Planch. (Jackes & Rossetto 2006) prompted the present authors to re-examine names in this genus. This study led to a misplaced combination in *Cissus*, namely *Cissus jackesiae* Rozefelds, for a species described only from fossil seeds. As this species was cited as the type of the current form genus *Cissocarpus* Rozefelds (as '*Ciccocarpus jackesiae*', an orthographically correctable error for *Cissocarpus*), we felt that *Cissus jackesiae* should be transferred to that genus.

The reference to "aff. *Cissocarpus jackesii* Rozefelds" in Carpenter *et al.* (2004: 706), is construed here as a *nomen nudum*, since it fails Art. 33.4 of the International Code of Botanical Nomenclature (ICBN) (McNeill *et al.* 2006) *viz.* 'that a new combination is not validly published unless its basionym (name-bringing or epithet-bringing synonym) ... is clearly indicated and a full and direct reference given to its author and place of valid publication, with page or plate reference and date'. It is also orthographically incorrect in that the name *Cissus jackesiae* Rozefelds commemorates Betsy R. Jackes and so under Art. 60.11 should have the feminine ending *-iae* as recognised by Rozefelds (1990).

Cissocarpus jackesiae* (Rozefelds) Bostock & Clifford, *combinatio nova

Basionym: *Cissus jackesiae* Rozefelds in J.G. Douglas & D.C. Christophel (eds.), *Proceedings of the 3rd IOP Conference, Melbourne, 1988* (1990: 124). A–Z Printers: Melbourne.

References

- CARPENTER, R.J., HILL, R.S., GREENWOOD, D.R., PARTRIDGE, A.D. & BANKS, M.A. (2004). No snow in the mountains: early Eocene plant fossils from Hotham Heights, Victoria, Australia. *Australian Journal of Botany* 52: 684–718.
- JACKES, B.R. & ROSSETTO, M. (2006). A new combination in *Clematicissus* Planch. (Vitaceae). *Telopea* 11: 390–391.
- MCNEILL, J., BARRIE, F.R., BURDET, H.M., DEMOULIN, V., HAWKSWORTH, D.L., MARHOLD, K., NICOLSON, D.H., PRADO, J., SILVA, P.C., SKOG, J.E., WIERSEMA, J.H. & TURLAND, N.J. (eds.) (2006). *International Code of Botanical Nomenclature (Vienna Code)*. (Regnum Vegetabile, 146). A.R.G. Gantner Verlag KG: Vienna.
- ROSSETTO, M., JACKES, B.R., SCOTT, K.D. & HENRY, R.J. (2002). Is the genus *Cissus* (Vitaceae) monophyletic: evidence from plastid and nuclear ribosomal DNA. *Systematic Botany* 27: 522–533.
- ROSSETTO, M., CRAYN, D.M., JACKES, B.R. & PORTER, C. (2007). Molecular evolution of the Australian Vitaceae. *Canadian Journal of Botany* 85: 722–730.
- SOEJIMA, A. & WEN, J. (2006). Phylogenetic analysis of the grape family (Vitaceae) based on three chloroplast markers. *American Journal of Botany* 93: 278–287.
- ROZEFELDS, A.C. (1990). A mid Tertiary rainforest flora from Capella, Central Queensland. In J.G. Douglas & D.C. Christophel (eds.), *Proceedings of the 3rd IOP Conference, Melbourne, 1988*, pp. 123–136. A–Z Printers: Melbourne.